

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 1, line 23, and ending page 2, line 7, as follows:

There is an AC motor as a typical electric load. For example, in ~~three phases~~ a three-phase AC motor, ~~three-phases~~ three-phase (R phase, S phase and T phase) AC current flows through the load. If any one of the 3 phases ~~current~~ is broken, current is concentrated to cause overload on the other phases ~~to cause overload~~. At this time, the insulation of the windings of the motor is broken or burned out due to the rise in temperature by overload or overcurrent.

Please amend the paragraph beginning on page 3, line 12 and ending on page 4, line 2, as follows:

The actuating part A comprises a main case 1 for receiving main bimetals 2 (three main bimetals are provided if ~~the three-phases~~ three-phase AC motor is used), heating members 3 (corresponding to the number of the main bimetals), a pair of shifters ~~4 and 5~~ 4a and 4b, a lever (not shown), and so forth as principal components. The main bimetals 2 around which heating members 3 are wound are bended to a predetermined direction by the heat from the heating members 3 connected to the power source of the motor when an abnormal current is generated due to overload, phase deficiency, phase unbalance, negative phase sequence and so forth. Each of shifters 4a and 4b has a plate shape, is engaged with upper parts of the corresponding main bimetals 2, and is

horizontally moved when the bimetals are ~~bended~~ bent. And the lever is rotatably connected to the shifters 4a and 4b.

Please amend the paragraph beginning on page 4, line 23 and ending on page 5, line 4, as follows:

A stationary contact is installed at the position corresponding to the contact (movable contact) of the inversion operation mechanism 10. The movable contact ~~of the inversion operation mechanism 10~~ and the stationary contact are normally open contacts in the normal state that current normally flows through the electrical load.

Please amend the paragraph beginning on page 6, line 6 and ending on page 4, line 14, as follows:

According to the above-mentioned construction, when the abnormal state, such as overload or phase deficiency, occurs to the circuit between the power source and the electrical load ~~becomes to be abnormal state due to the overload, phase deficiency, and so forth~~, the heating member 3 generates heat by current supplied from the power source, and the heat is transferred to the main bimetal 2. The main bimetal 2 is ~~bended to~~ bent in the rightward direction in Fig. 1 by the heat supplied from the heating member 3, thereby pushing the shifters 4a and 4b to the rightward direction.

Please amend the paragraph beginning on page 12, line 16 and ending on page 12, line 24, as follows:

And in case that the thermal overload relay according to the present invention is used with the magnetic contactor so as to protect a ~~three-phases~~ three-phase AC motor at the time of the generation of abnormal state, the number of main bimetals 22 provided in the actuating part is three so that each main bimetal ~~is corresponding~~ corresponds to each phase current of the three phases. ~~And also~~ Also, the number of the heating members 23 is three so that each heating member is wound around the corresponding main bimetal.

Please amend the paragraphs beginning on page 15, line 9 and ending on page 15, line 23, as follows:

A stationary contact is installed at the position corresponding to the movable contact of the inversion operation mechanism 30. The movable contact ~~of the inversion operation mechanism 30~~ and the stationary contact are normal open ~~contacts~~ in the normal state that current normally flows through the electrical load.

The one end of the inversion operation mechanism 30 is connected to the reset button 11 by a link mechanism. The flat spring of the inversion operation mechanism 30 is convexly ~~bended~~ bent from its center to the upper direction when the user depresses the reset button 11 so as to return the overload relay to the original position after the circuit is cut off. Therefore, the movable contact and

the stationary contact are separated from each other, and the signal supplied to the magnetic magnetic contactor is interrupted.

Please amend the paragraphs beginning on page 16, line 22 and ending on page 17, line 12, as follows:

As above-mentioned, the number of the main bimetal is determined according to the number of phase to be used. In this embodiment, the number of the main bimetal is three since ~~three-phases~~ three-phase current is used. The three main bimetals 22 are arranged in parallel arranged in a predetermined distance so that its width direction is upward. Also each heating member 23 is wound around the corresponding ~~to the~~ main bimetal 22. Each heating member 23 transfers heat to the corresponding main bimetal 22 when an abnormal state ~~is occurred~~ occurs between the power source and the electric load due to overload and so forth.

Each heating member 23 is connected to each corresponding terminal 31 which is connected to the electric load such as ~~three-phases~~ three-phase AC motor by a conducting line (not shown).

Please amend the paragraph beginning on page 16, line 22 and ending on page 4, line 14, as follows:

As above-mentioned, the number of the main bimetal is determined according to the number of ~~phase~~ phases to be used. In this embodiment, the number of the main bimetal is three since three phases of current ~~is~~ are used.

The three main bimetals 22 are arranged in parallel ~~arranged~~ in a predetermined distance so that its width direction is upward. Also each heating member 23 is wound around the corresponding to the main bimetal 22. Each heating member 23 transfers heat to the corresponding main bimetal 22 when an abnormal state ~~is occurred~~ occurs between the power source and the electric load due to overload and so forth.